

Name _____

MTH 254H

MIDTERM

Spring 2022

Please answer the following questions on paper you provide. You do not need to print the exam, or include it with your answers; you do not need to copy the questions. (Please clearly label which answer goes with which question.)

Show your work! *Answers without supporting work or explanations are unlikely to receive full credit. It is to your advantage to turn in all your scratch work (clearly labeled!).*

You should attempt every problem. If you are unable to complete a calculation, set it up and give a clear description of what you would have done for possible partial credit. Do not waste time on unnecessary simplifications, which will not substantially improve your grade.

Please connect to the regular class Zoom session during the exam.

You do *not* need to turn on your video. To ask a question, use chat (to me only), raise your hand, or turn on your audio and ask for help – but please wait until we are in a breakout room to ask your question out loud.

HOUSE RULES

- The exam is closed book!
- You may bring one 3×5 index card (both sides) of handwritten notes, or the equivalent.
- You may not discuss the exam with anyone other than me.
- Your answers and supporting work should be written on paper you provide.
- The use of OneNote or similar software that allows you to write electronically and/or annotate PDFs is allowed.
- The use of Word, $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$, or similar software that allows you to typeset your answers is acceptable. *However, doing so can be time consuming... Choose wisely.*
- No other software is allowed! In particular, you may not use technology to visualize or evaluate mathematical expressions. ***Please shut down all other software during the exam, such as email, phone, browsers, etc.***
- No extra time is available for the use of software to prepare and/or upload your exam. *(Yes, you may use scanning software for this purpose.)*
Your exam must be uploaded to Gradescope by the end of the exam period.

This exam may not be shared publicly in any form, such as online.

Your signature below confirms your agreement to abide by the House Rules.
(If you prefer not to include this page in your upload, please write “I agree to the House Rules” above your signature on the first page of your submitted exam.)

Signature _____

(CONTINUED ON BACK)